## AREAL GEOLOGY SYMBOLS Kcs-n VIRGELLE SANDSTONE MEMBER TRANSITION ZONE EAGLE SANDSTONE R.4 W. EXPLANATION STRUCTURE CONTOUR SYMBOLS CONTROL BY SURFACE MAPPING DEPRESSION CONTOURS WELL SYMBOLS OIL WELL WELL, SUNBURST SAND PRODUCTION SHOW OF GAS AND OIL, ABANDONED SHOW OF OIL, ABANDONED GAS WELL, ABANDONED GAS WELL, SHUT IN DRY HOLE, ABANDONED LOCATION OR DRILLING WELL WATER WELL, ABANDONED MISCELLANEOUS SYMBOLS EAST BOUNDARY OF DEFINED CUT GRADED GRAVEL ROAD UNSURFACED ROAD GRAVEL PIT SCHOOL HOUSE FOUND CORNER 5 SECTION NUMBER PIPE LINES THE MONTANA POWER CO. (Gos) MONTANA DAKOTA UTILITIES CO. (Goe) CUT BANK | 16MI. BIG WEST REFINING CO. (Goe) BASE COMPILED FROM G.L.Q. TOWNSHIP PLATS AND AUTHORS' FIELD SHEETS. A.B. COZZENS AND J.T. GIST. 1943-1944; J.W. NORDQUIST UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY MAP OF THE AREAL AND STRUCTURAL GEOLDGY V OF T. 35N., R.4W., TOOLE COUNTY, MONTANA SHOWING HIGH GRAVITY POOL, KEVIN-SUNBURST OIL FIELD AND PART OF COT BANK GAS FIELD 1163,360 CONTOURS DRAWN ON TOP OF COLORADO GROUP INTERVAL 20 FT. DATUM MEAN SEA LEVEL OCTL.BER 1946

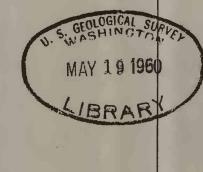
INDEX MAP OF KEVIN-SUNBURST DOME Showing Location of T. 35 N., R. 4 W.

## COMPOSITE SECTION OF EXPOSED ROCKS

Σ	S	Ь	NO-	ESS	0		OHADAOTED OF BOOKS
TE	IE	)	A T	Z	10		CHARACTER OF ROCKS
S	ER	RO	Σ	S	LA		0 25 50 IOOFT.
S	S	g	0 8	H	oc U		uuu J J
			L.	F			VERTICAL SCALE
					000		Sandstone, brown, hord
1			F	п	000		Sandstone, concretionary, ferruginaus Sandstone, resistant, gray to buff
	I		ш				Shale, purplish-gray
		۵	MEDICIN	F.			Shale and sandstone interbedded, gray to buf
			DIG	+		*	Shale, sandy
П		2	ME	69			Sondstone, medium-grained, crossbedded,
		0	0	E			gray to buff
		œ	*				Shale and sandstone interbedded, gray to buff
ľ	۲			۱			
8		v	ī	į.	-	~	VIRGELLE SANDSTONE MEMBER
			Ш	2 F			Magnetite sandstone, alive drab to dark gray Sandstone, soft, fridble, thin-bedded with som thin beds lightte; makes slape
			Z	12	BOOD		Zone of brown ferruginous concretions, mokes
		۵	0 1	1	000		pedestal racks Mossive, cliff-making, gray-buff
		z		10			
			S	-15	0 0		Fine-to medium-groined, thin-bedded, buff
S		۷	0				TRANSITION 7005
כ		-	A	,			TRANSITION ZONE Shole, sondy, groy-buff
			SA	1	000		Siltstone Sandstone, gray, colcoreous with some
0		2	ű	0 F			limestone concretions Sondstone, gray, fine-grained
	œ	0	ш	17			Suitasione, gray, ime-gramea
ш	•				NAME AND		Cone-in-cone, buff (local)
_	ш	Σ	6 1	3			
S			A	16			Shole, sandy, fine-grained, soft, gray-buff
Ĭ	a.		Ξ				CONTOUR DATUM
d		▆			£*.££		
ì	a						Sandstane, thin—bedded, restistant
_		۵.			- C	A	Limestone, impure, cream, crinkly
	_	Į	()				Shale, soft, dork groy
w		2	(Kcs-n				
	ı	0	×		000	В	Limestone, concretlanary, gray, weathers buff; concentric structures
œ		_			000		
-		~			00	С	Limestone, concretianary, dork groy, oval septorian masses
O		ပ	Σ				
			L	ED	800	D	Limestane, concretianary, gray, sandy; almost continuous layer
				S	88		dimesi summeda tayer
		0		EXPO	6		
		0		Ξ.	200	Ε	Limestone, concretionary, ferruginous.  A "red chip"zone; persistent
			A	Ē	OUR		A "red chip" zone; persistent Limestone, concretionary, weathers achreous yellow, gnarly, fairly persistent
		A	~	180	++++		
		æ		A	++++		
			A		-		
		0	œ		200	F	Concretionary introformational mud pellet conglomerate, weathers aronge—buff with
		ر					conglomerate; weathers aronge—buff with light gray pellets; very persistent and distinctive
			8		SASASAS		Limestane, concretionary, gnarly brown masses
		0				G	Limestone, concretionary
		v	0		0_c	н	Limestone, concretionary, weathering buff of
					2010101000		bose Sandstone, fine—grained, "chippy"
					000		
			Z		\$44.	1	Calcite, light gray weathering tan, fibraus,
					S.P.	J -	Limestane, concretianary, gray, dense,
					the court		

LETTERED BEDS IN COLORADO GROUP ARE MARKERS FOR STRUCTURAL MAPPING. LACK OF CONTINUITY OF BEDS RESULTS FROM ERRATIC COVER OF GLACIAL DRIFT

GLACIAL DRIFT AND ALLUVIUM ARE NOT SHOWN IN THE ABOVE SECTION OR ON THE MAP



Montana (Toole County, T35N R4W). geol. 1:63,360.